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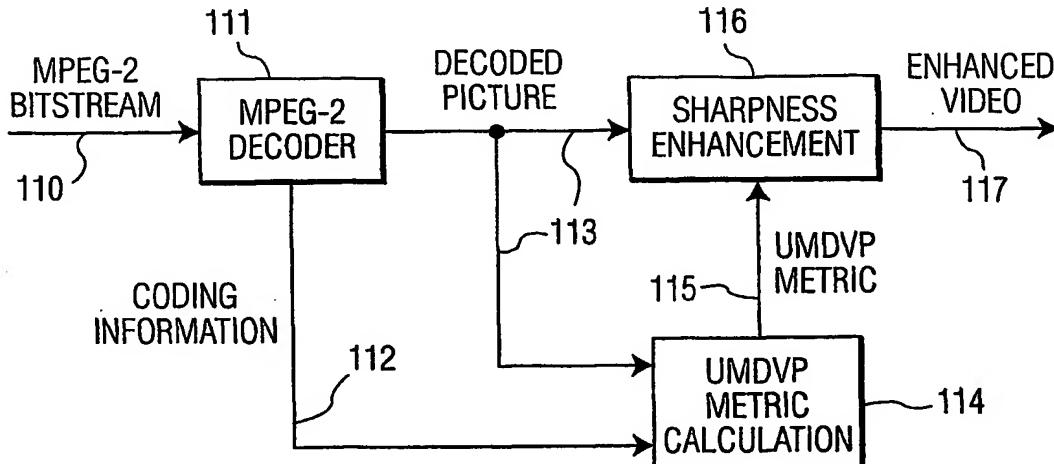
(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): YANG, Yibin [US/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US). BOROCZKY, Lilla [US/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US).

(74) Common Representative: KONINKLIJKE PHILIPS ELECTRONICS N.V.; Intellectual Property & Standards, c/o Piotrowski, Daniel J., P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US).

(54) Title: A UNIFIED METRIC FOR DIGITAL VIDEO PROCESSING (UMDVP)



(57) **Abstract:** The present application develops a unified metric for digital video processing (UMDVP) to control video processing algorithms. The UMDVP metric is defined based on coding information of MPEG encoded video for each pixel in a frame. The definition of the UMDVP metric includes local spatial features. The UMDVP metric can be used to control enhancement algorithms to determine how much a pixel can be enhanced without boosting coding artifacts. It can also be used to instruct artifact reduction algorithms where and how much reduction operations are needed.

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